Weather Event Simulator
Case Study

Originating Office	:	WFO Brownsville
Date of Case	:	28-29 June 2002
Contacts	:	Kurt Van Speybroeck & Shawn Bennett (kurt.vanspeybroech@noaa.gov)
Weather Event	:	Heavy rainfall event.
Learning Objectives	:	To improve the knowledge and abilities required to accurately analyze the heavy rainfall potential of subtropical/tropical weather systems. To build and hone the skills needed to anticipate critical weather, increase situational awareness, and determine the optimal allocation of WFO resources (e.g. staffing, prioritize mission requirements, judicious use of overtime).
Available Data	:	KBRO, all radar data; KCRP and KEWX; lowest elevation angle data.
	:	AWIPS model guidance fields.
	:	All AWIPS satellite imagery (CONUS and larger scales).
	:	All AWIPS point data.
	:	All AWIPS redbook graphics.
Time Period of Data	:	1000 UTC June 28 - 0600 UTC June 29, 2002.
Type of Simulation	:	Self-guided, interval based.
Completion Time	:	Varies from 3 - 8+ hours, depending on desired detail.
Additional Materials	:	Hard copy and electronic Simulation Guide. Map and short list of rainfall totals.
Installation	:	Use the Case_Installer.tcl script to install the case specifying three (2) CDS, the appropriate directory (e.g., /data/awips) on the appropriate hard drive (e.g., /dev/sdb1). The case directory will be called 2002Jun28.
Special Instructions	:	This case includes localizations for WES versions 1.0, 1.1 and 1.2. Please “cd” to the 2002Jun28/localizationDataSets subdirectory and extract (zcat | tar -xvf -) the appropriate localization for your version of the WES software.